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NTDB id 624 LCA RS00040 WP 011373726.1	MINRVVLVGR	LTRDVL	DRYTSSGA	AVGTFSMA	VNRQFTN	ANGD	READFI	NCV	IWRK	SAENFAN	FTK	KGSL	V	GV	DGR	LQ	TRN	Y	EN	Q	85											
NTDB id 113 BSU 40900 NP 391970.1	MLNRVVLVGR	LTKDPE	LRYP	TNGAAV	ATFTL	AVNR	FTNQ	SGER	EA	DFIN	CV	TWRR	QAEN	VAN	FLK	KGSL	AG	V	DGR	LQ	TRN	Y	EN	Q	85							
NTDB id 81268 KI220 RS02145 WP 020453204.1	MFNEIMLVGR	LTKDPE	LRYS	TDG	VPVAN	VTL	AVSR	PFK	NAAGE	IEAD	FVN	CTL	WRK	TA	VNTAE	YCE	KGS	IT	L	SG	RI	Q	TR	Q	Y	VNS	85					
NTDB id 112 BSU 36310 NP 391512.2	MFNQVMLVGR	LTKDPE	LRYS	TSAGA	AVAH	VTL	AVNR	SF	KNASGE	IEAD	YVN	CTL	WRK	TA	ENT	ALY	C	KGS	L	V	GS	RI	Q	TR	S	Y	ENE	85				
NTDB id 597 KW2 RS01935 WP 021036727.1	.MNKTM	LIGRLT	NAPE	ISKTT	NNK	SYVR	VTL	AVNR	RF	KNEK	G	ER	EA	DFI	SIT	LW	GK	SAET	LV	SY	AK	KG	SL	IS	VE	GE	IR	TRN	Y	TD	K	84
NTDB id 498 SM12261 RS01980 WP 000282464.1	MYNKVIM	IGRLT	STPEL	HKTNN	DKSV	ARAT	IAVNR	RY	KDQ	NG	ER	EA	DFVN	MVL	WG	KL	AES	L	ASY	AT	KG	SL	IS	VD	GEL	TR	RR	FE	.K	84		
NTDB id 526 SMSK321 RS08825 WP 000282440.1	MYNKVILIGRLT	STPEL	HKTNN	DKSV	ARAT	IAVNR	RY	KDQ	NG	ER	EA	DFVN	MVL	WG	RL	AE	T	L	ASY	AT	KG	SL	IS	VD	GEL	TR	RR	FE	.K	84		
NTDB id 158 SP RS09595 WP 000282442.1	MYNKVILIGRLT	STPEL	HKTNN	DKSV	ARAT	IAVNR	RY	KDQ	NG	ER	EA	DFVN	MVL	WG	RL	AE	T	L	ASY	AT	KG	SL	IS	VD	GEL	TR	RR	FE	.K	84		
NTDB id 268 KZH43 RS08520 WP 000282467.1	MYNKVIM	IGRLT	STPEL	HKTNN	DKSV	ARAT	IAVNR	RY	KDQ	NG	ER	EA	DFVN	MVL	WG	RL	AE	T	L	ASY	AT	KG	SL	IS	VD	GEL	TR	RR	FE	.K	84	
NTDB id 227 SPD RS09110 WP 000282467.1	MYNKVIM	IGRLT	STPEL	HKTNN	DKSV	ARAT	IAVNR	RY	KDQ	NG	ER	EA	DFVN	MVL	WG	RL	AE	T	L	ASY	AT	KG	SL	IS	VD	GEL	TR	RR	FE	.K	84	
NTDB id 193 SPR RS08685 WP 000282467.1	MYNKVIM	IGRLT	STPEL	HKTNN	DKSV	ARAT	IAVNR	RY	KDQ	NG	ER	EA	DFVN	MVL	WG	RL	AE	T	L	ASY	AT	KG	SL	IS	VD	GEL	TR	RR	FE	.K	84	
NTDB id 583 DLJ51 RS09560 WP 002962590.1	MYNKVILIGRLT	AAP	EMV	KTPSN	KSV	THIT	LAVNR	RR	FK	TQD	GER	Q	ADFVN	VV	FW	GK	LAES	L	V	SYA	KG	SL	V	S	L	DGE	IR	TR	H	Y	E	84
NTDB id 409 SMU RS08940 WP 002263454.1	MYNKVILIGRL	VATPE	MV	KTPK	DKSV	TRV	T	LAVNR	RR	FK	SQD	GE	K	Q	ADFVN	VV	LW	GRL	AE	T	L	IASY	G	SKG	SL	IS	L	DGEL	TR	KY	E	84
consensus	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

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NTDB id 624 LCA RS00040 WP 011373726.1	QGQRVYVTEVYVDNFSLLESRTTTEQRQGDGASQNFNSNQSNQSGSQ.....QSGFTSPQQTGNAPAAANNTQADPFANNGQAIDTI	163
NTDB id 113 BSU 40900 NP 391970.1	QGQRVYVTEVQAESVQFLEPKNGGGS.....GSGGYNEGNSGGGQYFGGGQNDNPFPGGNQNNQRRNQGNSFNDDPFANDGKPIDTI	165
NTDB id 81268 KI220 RS02145 WP 020453204.1	EGERVYVTEVVARSVRFLGESRKAHE.....PSEA.....	115
NTDB id 112 BSU 36310 NP 391512.2	EGVNVYVTEVLADTVRFMDPKPREKA.....AD.....	113
NTDB id 597 KW2 RS01935 WP 021036727.1	NEQKHYTEITLGLSYDLESRATLALRESAV..K.....TELELL	122
NTDB id 498 SM12261 RS01980 WP 000282464.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....LADLVL	124
NTDB id 526 SMSK321 RS08825 WP 000282440.1	NGQMNYVAEVLVTGFQLLESRAQRAMRENNAGQD.....LADLVL	124
NTDB id 158 SP RS09595 WP 000282442.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....LADLVL	124
NTDB id 268 KZH43 RS08520 WP 000282467.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....LADLVL	124
NTDB id 227 SPD RS09110 WP 000282467.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....LADLVL	124
NTDB id 193 SPR RS08685 WP 000282467.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....LADLVL	124
NTDB id 583 DLJ51 RS09560 WP 002962590.1	DGQTHYVTEITLAQS FQLLESRAQRALRENNAGSD.....LTDLVL	124
NTDB id 409 SMU RS08940 WP 002263454.1	DGVTHYVTEVLGHS FQLLESRAQRAMRENNSEND.....LADLVL	124
consensus	*** **!* ** *****	

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NTDB id 624 LCA RS00040 WP 011373726.1	SDDDL	LPF	170
NTDB id 113 BSU 40900 NP 391970.1	SDDDL	LPF	172
NTDB id 81268 KI220 RS02145 WP 020453204.1			115
NTDB id 112 BSU 36310 NP 391512.2			113
NTDB id 597 KW2 RS01935 WP 021036727.1	EAD	ELPF	129
NTDB id 498 SM12261 RS01980 WP 000282464.1	EEEE	LPF	131
NTDB id 526 SMSK321 RS08825 WP 000282440.1	EEEE	LPF	131
NTDB id 158 SP RS09595 WP 000282442.1	EEEE	LPF	131
NTDB id 268 KZH43 RS08520 WP 000282467.1	EEEE	LPF	131
NTDB id 227 SPD RS09110 WP 000282467.1	EEEE	LPF	131
NTDB id 193 SPR RS08685 WP 000282467.1	EEEE	LPF	131
NTDB id 583 DLJ51 RS09560 WP 002962590.1	EEEE	LPF	131
NTDB id 409 SMU RS08940 WP 002263454.1	EEEE	LPF	131
consensus	*****	*****	*****

 non conserved
 similar
 $\geq 50\%$ conserved